	Application No.	Applicant(s)	
Notice of Allowability	10/724,229	TANO ET AL.	
	Examiner	Art Unit	
	Nguyen T Ha	2831	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with (OR REMAINS) CLOSED in to or other appropriate commun GHTS. This application is sul	the correspondence address his application. If not included ication will be mailed in due cou	ırse. THIS
1. This communication is responsive to <u>12/1/2003</u> .			
2. The allowed claim(s) is/are <u>1-10</u> .			
3. \boxtimes The drawings filed on <u>01 December 2003</u> are accepted by	the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority unapplication. a) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" on the delow. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	been received. been received in Application cuments have been received in this communication to file a	No n this national stage application	
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAN es reason(s) why the oath or d	IINER'S AMENDMENT or NOT eclaration is deficient.	ICE OF
 6. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the 	on's Patent Drawing Review (Amendment / Comment or ir	the Office action of	ck) of
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT F	sit of BIOLOGICAL MATER FOR THE DEPOSIT OF BIOL	RIAL must be submitted. Note OGICAL MATERIAL.	e the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☑ Notice of Draftperson's Patent-Drawing Review-(PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/06 Paper No./Mail Date 0304 & 0604 4. ☑ Examiner's Comment Regarding Requirement for Deposit of Biological Material	Paper No./Mi Paper No./Mi 8), 7. ☐ Examiner's Ar	mal Patent Application (PTO-19 nmary-(PTO-413),	· · · · · · · · · · · · · · · · · · ·

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-10 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claims 1-2 and 5-6, the prior art alone or in combination does not teach the limitation of a raw material composite for a carbon material used in an electric double layer capacitor containing microcrystalline carbon, the raw material composite being formed into a carbon material for an electric double layer capacitor by undergoing an activation treatment, wherein a crystallite size Lc₀₀₂ of the microcrystalline carbon determined by the X-ray diffraction method being 3.0 nm or below.

With respect to claims 3-4, the prior art alone or in combination does not teach the limitation of a method of manufacturing a raw material composite for a carbon material used in an electric double layer capacitor, the raw material composite containing microcrystalline carbon being formed into the carbon material for an electric double layer capacitor by undergoing an activation treatment, wherein the raw material carbon having an integrated intensity of an X-ray diffraction peak corresponding to a 002 lattice plane equal to or more than 10% of graphite.

With respect to claims 7-10, the prior art alone or in combination does not teach the limitation of a method of manufacturing an electric double layer capacitor comprising a raw material carbon containing the microcrystalline carbon, wherein the raw material carbon having an integrated intensity of an X-ray diffraction peak corresponding to a 002 lattice plane equal to or more than 10% of graphite, and an interlayer distance d₀₀₂

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of the microcrystalline carbon being 0.337 nm or below and a crystallite size La₁₁₀ of the microcrystalline carbon being 80 nm or above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation Relevant of Prior Art

- 2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- Tennent et al. (US 6,665,169) disclose graphitic nanofibers in a. electrochemical capacitors.
- b. Niiori et al. (US 6,487,066) disclose electric double layer capacitor and method for producing the same.
- C. Niu (US 6,205,016) discloses fibril composite electrode for electrochemical capacitors.
- d. Saito et al. (US 5,786,555) disclose polarizable electrode for electric double layer capacitor.
- Zhang et al. (US 5,690,901) disclose carbon electrode materials for e. electrochemical cells and method of making.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen T Ha whose telephone number is 571-272Application/Control Number: 10/724,229 Page 4

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1974. The examiner can normally be reached on Monday-Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 571-272-2800 ext. 31. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nguyen T. Ha December 11, 2004

DEAN A. REICHARD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800